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> [AUTGA Smart Bird Feeder with Camera \(Model TV-XM-Q20-4MP\) Instruction Manual](#)

## AUTGA TV-XM-Q20-4MP

# AUTGA Smart Bird Feeder with Camera (Model TV-XM-Q20-4MP) Instruction Manual

Brand: AUTGA | Model: TV-XM-Q20-4MP

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## 1. INTRODUCTION

Thank you for choosing the AUTGA Smart Bird Feeder with Camera. This device combines a traditional bird feeder with advanced technology, featuring a 5MP HD camera, AI bird species identification, and solar charging capabilities. This manual provides detailed instructions for setup, operation, and maintenance to ensure optimal performance and an enjoyable bird-watching experience.

## 2. SAFETY INFORMATION

Always follow local regulations and guidelines for feeding wildlife. Keep the feeder clean and secure to prevent access by larger animals. Avoid using food that may harm certain species. Always supervise children when handling the feeder.

## 3. PACKAGE CONTENTS

Before beginning assembly, please verify that all components are present and undamaged. The package should include:

- Smart Bird Feeder unit with integrated camera
- Solar Panel Roof
- Bird Standing Bracket
- Grain Protection Nets
- Mounting Bracket (for wall/post)

- Strap for tree mounting
- Fruit Fork
- Mini Hummingbird Feeder
- Antenna
- Screws and Wall Anchors
- USB Charging Cable
- Operation Guide (this manual)



**Figure 3.1:** All components included in the package.

**Video 3.1:** Unboxing and overview of the AUTGA Smart Bird Feeder components.

## 4. SETUP

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### 4.1 Powering On and Initial Charging

To power on the camera, open the silicone cover on the camera unit. Long press the power button until the device beeps and the indicator light is always on. This confirms the device is powered on. If the device does not power on, it may be out of battery; please charge it first.

Connect the solar panel charging cable to the camera's charging port. Ensure the solar panels are exposed to direct sunlight for continuous power. The camera also has a 4000mAh rechargeable battery for operation during low light conditions.

**Video 4.1:** Demonstrates how to turn on the camera and connect the solar charging cable.

# Rechargeable Battery Design & Solar Panel



Figure 4.1: The camera unit with solar panel connection and rechargeable battery.

## 4.2 Assembly

Attach the bird standing bracket to the front of the feeder. Install the grain protection nets inside the feeder. Secure the solar panel roof onto the main unit, ensuring the charging cable is properly routed and connected.

**Video 4.2:** Step-by-step guide for assembling the bird feeder components, including the standing bracket, grain nets, and roof.

## 4.3 Mounting Options

The bird feeder offers versatile mounting options:

- **Wall Mount:** Use the provided mounting bracket, screws, and wall anchors to secure the feeder to a wall or wooden post.
- **Strap Mount:** Utilize the included strap to attach the feeder securely around a tree trunk or pole.

**Video 4.3:** Demonstrates both wall mounting and strap mounting methods for the bird feeder.

**Video 4.4:** Detailed instructions on how to mount the bird feeder using the provided strapping method.

## 4.4 Filling the Feeder

The feeder has a 1.5L capacity. Open the top lid of the feeder and pour your preferred birdseed into the main compartment. Close the lid securely. You can also attach the fruit fork and mini hummingbird feeder to the designated spots on the bird standing bracket to offer additional food options.

## 4.5 App Installation and Connection

Download the "Tris Home" app by scanning the QR code in the manual or searching for it in your mobile application store. Register and log in to the app. Ensure your mobile phone is connected to a 2.4 GHz Wi-Fi network (5 GHz is not supported) and Bluetooth is enabled. Follow the in-app instructions to add your device by scanning the QR code on the bird feeder camera. Once connected, you can name your device and configure storage settings.

**Video 4.5:** Guide on how to connect the bird feeder camera to the "Tris Home" mobile application.

# 5. OPERATING INSTRUCTIONS

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## 5.1 Live View and Recording

Once connected, open the "Tris Home" app to access the live feed from your bird feeder camera. You can capture photos and record videos directly from the app. The camera provides ultra-high-definition 2.5K video quality.

# Watch Birds in Real Time

Share Fun Moments with Family, Friends



Figure 5.1: Enjoying live bird watching through the mobile app.

## 5.2 AI Bird Identification

The camera is equipped with advanced AI technology that can recognize over 11,000 bird species. When a bird visits the feeder, the AI will identify the species and provide information within the app (30-day trial included).



## Real-time Bird Arrival Alerts

Receive real-time notifications of feather visitors on your phone

Figure 5.2: AI-powered bird species identification in action.

### 5.3 Real-time Alerts

Receive instant notifications on your smartphone when birds or other visitors approach the feeder. The camera automatically captures these moments.



Figure 5.3: Real-time bird arrival alerts on your phone.

### 5.4 Night Vision

The 5MP HD camera is equipped with night vision capabilities, allowing you to observe birds clearly even in low light conditions or at night.



Figure 5.4: Clear day and night vision from the camera.

## 5.5 Storage Management

The bird feeder supports both local storage via an SD card (not included, up to 128GB) and cloud storage (30-day trial included). You can review captured photos and videos through the app.



Figure 5.5: Recording and playback options within the app.

## 5.6 Sharing Features

The app allows you to share videos and photos with multiple users, enabling family and friends to enjoy the bird-watching experience simultaneously.



Figure 5.6: Multiple users can watch the bird feeder feed simultaneously.

## 6. MAINTENANCE

### 6.1 Cleaning the Feeder

Regularly clean the bird feeder to prevent mold and bacterial growth, which can harm birds. Disassemble the feeder components and wash them with warm, soapy water. Rinse thoroughly and ensure all parts are dry before reassembling and refilling.

### 6.2 Refilling Bird Food

Monitor the birdseed level and refill as needed. The 1.5L capacity reduces the frequency of refills.

### 6.3 Solar Panel Maintenance

Keep the solar panels clean and free from debris (leaves, dust, snow) to ensure maximum sun exposure and efficient charging of the camera's battery.

## 7. TROUBLESHOOTING

- **Connectivity Issues:** Ensure your Wi-Fi network is 2.4 GHz. The device does not support 5 GHz Wi-Fi. Check your router settings and device proximity to the router.
- **Power Issues:** If the camera is not powering on or holding a charge, ensure the solar panel is clean and receiving adequate sunlight. Verify the charging cable is securely connected.
- **App Functionality:** If you encounter issues with the app, try restarting the app or your device. Ensure the app is updated to the latest version.

For further assistance, please refer to the Warranty & Support section.

## 8. SPECIFICATIONS

Feature	Detail
Brand	AUTGA
Model Number	TV-XM-Q20-4MP

Feature	Detail
Target Species	Bird
Recommended Uses For Product	Seed
Material	Acrylonitrile Butadiene Styrene (ABS)
Special Feature	Inbuilt Camera, AI Identify Birds Species
Mounting Type	Hanging Mount
Power Source	Solar Powered
Item Dimensions L x W x H	9.84"L x 8.26"W x 7.08"H
Capacity	1.5 Liters
Color	Sky Blue
Included Components	Fruit Fork, Mini Hummingbird Feeder, Birdhouse, Camera

## 9. WARRANTY & SUPPORT

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For any questions, technical support, or warranty inquiries, please utilize the online service feature within the "Tris Home" application. Our technicians are available to provide assistance and will reply to your queries within 24 hours.